## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051833

LISITSYN, Yu.V., kand.tekhn.nauk; IGNATEMKO, B.D.

Manufacturing agloporites from waste products of coal enrichment.

Sbor. trud. NII po stroi. ASIA [Rost.] no.6:3-21 '62. (MIRA 17:9)

### PHASE I BOOK EXPLOITATION 660

Ignatenko, Dmitriy Grigor'yevich; Starosel'skiy, Anatoliy Lazarevich; and Perchanik, Vladimir Borisovich

Mashinist-operator postov upravleniya prokatnogo stana; uchebnoye posobiye dlya proizvodstvenno-tekhnicheskogo obucheniya rabochikh (The Operator of Rolling Mill Control Equipment; a Textbook for the Technical Instruction of Workers) Moscow, Metallurgizdat, 1957. 246 p. 4,200 copies printed.

Ed.: Bystrov, B.M.; Ed. of Publishing House: Golyatkina, A.G.; Tech. Ed.: Karasev, A.K.

PURPOSE: This book is intended as a textbook for improving the qualifications of operators of control equipment in rolling mills and also as a texbook for technical schools.

COVERAGE: In this book general information on the properties of steel is given and the fundamentals of the theory of rolling are discussed. The basic and auxiliary equipment of rolling mills and their operation, general information on electrical engineering; Card 1/7

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The Operator of Rolling Mill Control Equipment (Cont.) 660

organization of work, production economics, and safety techniques are also covered. The works of A.I. Tselikov, I.G. Kul'bachnyy, Yu. M. Chizhikov, M.L. Mirenskiy and N.A. Chelyshev were widely used in the preparation of the book. There are 10 references, all Soviet.

### TABLE OF CONTENTS:

Card 2/7

	5
Foreword	_
Introduction	7
Ch. I. Properties of Steel and Heating of Ingots Before Rolling 1. Classification of steel 2. Ingot structure 3. Ingot heating before rolling	9 9 12 15
Ch. II. Fundamentals of the Theory of Rolling 1. Fundamentals of the plastic deformation of metals 2. Nature of the rolling process	20 20 26

401/464A

220

85628

8/133/60/000/009/005/015 A054/A029

The Technology for Producing Carbon-Free Ferroshrome of High Nitrogen Content by the Aluminothermic Process

tent of 20-65 % of the weight of chromium concentrate and grinding and sieving the materials contained in the charge to a size of 0.8 mm. The necessary specific heat of the process (& H = 670 cal/kg of the charge) was maintained by controlling the slag content. Maximum nitrogen content could be obtained by adding 40-45 % saltpater based on the chrome concentrate. In order to determine the optimum granular size for obtaining a maximum nitrogen content in the alloy, tests were made with a constant 45 %-saltpeter content and by changing the granular size of the charge materials to a mximum of 2 mm, which, however, resulted in a decrease in the nitrogen content by 0.3 % on an average while the metal yield decreased by more than 20 %. The amount of deoxidizing agents affects the metal yield and the melting process. Tests carried out with 45 % saltpeter in the charge for the purpose of determining the optimum quantity of deoxidizing agents revealed that the maximum nitrogen content in the alloy is obtainable by applying deoxidizers in the amount of up to 97 % of the theoretical quantity of deoxidizers required for the process. In order to establish the optimum heat conditions tests were carried out with 670-750 cal/kg of the charge and it was found

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Card 2/3

35936

S/148/62/000/002/003/008 E193/E383

18.1735

AUTHORS: Ignat'yev, V.S., Ignatenko, G.F., Suchil'nikov, S.I.

and Pliner, Yu.L.

TITLE:

Material and heat-balance of smelting metallic chromium

in an electric-arc furnace

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no. 2, 1962, 65 - 72

TEXT: A n\_w method of chromium smelting, cheaper than the conventional process, had been proposed by the present authors and the object of the investigation described in the present paper was to check the efficiency of this process by compiling its material and heat-balances. The salient feature of the new process is the elimination from the charge of that portion of sodium nitrate which is normally used to provide heat required to ensure correct running of the smelting process and separation of the slag from the metal. In the new method a portion of oxides and fluxes constituting the total weight of the charge is fused in a three-phase electric-arc furnace and serves as a physical source of heat required in the reducing stage of the Card 1/8

S/148/62/000/002/003/008 E193/E383

Material and heat-balance ....

process. The smelting experiments were carried out in a 750 kVA furnace equipped with a magnetite-lined cast-iron melting shaft, provision having been made for insertion of several thermocouples. The temperature of the charge was measured from the moment of ignition of the combustible mixture added to the charge to form a liquid phase. When this had been formed, the furnace electrodes were lowered, current was switched on and the chromium oxide/lime mixture was smelted. The electrodes were then withdrawn and the reducing portion of the charge (chromium oxide and aluminium in the quantity required to reduce both the solid and fused oxides) was introduced into the melt. The composition of the charge, divided into igniting, ore-bearing and reducing portions (denoted by A, B and B, respectively) is given below: (kg):

Card 2/8

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S/148/62/000/002/003/008 E193/E383

Material and heat-balance ....

Technical chromium oxide (98.23% Cr <sub>2</sub> 0 <sub>3</sub> ) Aluminium grain (97% Al) Lime (85% CaO) Saltpetre (98% NaNO <sub>3</sub> )	76 -	-	1620 766	Total 2320 842 200 16
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Total ... 292 700 2586 3378 .

The various elements content (in kg) of the charge was:

Chromium 2320X0.9823X 
$$\frac{10^4}{152}$$
 = 1558.8;  
Aluminium 842X0.97 = 816.7;  
Iron 2320X0.0015.  $\frac{56}{72}$  + 842X0.0036= = 5.73;  
Silicon 2320X0.005  $\frac{28}{60}$  = 5.42.

Card 3/8

S/148/62/000/002/003/008 E193/E383

Material and heat-balance ....

The 767.8 kg Al used up in the process was made up as follows: 763.3 kg for reducing the chromium oxide, 3.48 kg and 0.92 kg for the reduction of silicon and iron, respectively, and 3.5 kg included in the metal produced. The process yielded 1.456 kg of crude chromium (Cr 99.06%, Si 0.24%, Al 0.24%, Fe 0.41%, C 0.019%, S 0.016%, P 0.007%), equivalent to 91.6% recovery, the degree of utilization of Al being 94.4%. Regarding the heat-balance, the total duration of the process was 1 hour 44 min, of which 1 hour 27 min constituted the smelting stage (with the current switched on) and the remainder represented the duration of the reducing stage. The temperature of the melt was 1.870 °C, the temperature of the process being 2.100 °C. The integrated heat-balance calculated for these conditions was as follows:

Card 4/8

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Material and heat-balance	S/148/62/000/002/003/008 E193/E383				
Heat supplied By exothermic reducing reactions By electrical energy		kcal 1861887 773245	70.6 29.4		.,
•	Total	2635132	100.0		
Heat consumed Heat content of the metal		kcal 623750	% 23.64		
Heat content of the slag Heat losses Unaccounted-for losses		1269620 735416 6346	48.21 27.91 0.24	••	
	Total	2635132	100.0 .		

Card 5/8

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\$/148/62/000/002/003/008

Material and heat-balance .... E193/E383

The heat-balance for the smelting stage was as follows:

Heat supplied by	kcal	%
Decomposition of saltpetre by aluminium	52496	5.35
Exothermic reaction of aluminium		
reduction of chromium oxide	155981	
Electric arcs	773245	78.76

Total 981722 100.0

Card 6/8

S/148/62/000/002/003/008 E193/E383

Material and heat-balance ....

consumption of aluminium by 81 kg/t of the melt, as a result of which the cost of producing crude chromium was reduced by 4%. It is pointed out in this connection that the furnace used in the new process should be equipped with a roof to minimise heat losses. There is 1 figure.

ASSOCIATION: Ural'skiy politekhnicheskiy institut

(Ural' Polytechnical Institute)

SUBMITTED: June 23, 1961

Card 8/8

39066

5/148/62/000/005/003/009 E071/E135

AUTHORS:

Suchil'nikov, S.I., Ignatenko, G.F., Pliner, Yu.L.,

Ignat'yev, V.S., and Lappo, S.T.

The technology of aluminothermic smelting of metallic TITLE:

chromium in an electric arc furnace

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya

metallurgiya, no.5, 1962, 78-85

The following modified technology was investigated: preliminary molting of a part of the chromium oxide charge with addition of lime in an electric arc furnace, lifting the electrodes, adding the remaining part of the charge and finishing the process in the usual way. A part of the thermal energy is supplied by the electric arc, thus reducing the consumption of aluminium and eliminating the need for pocassium nitrate (except for a small amount used for the initial ignition). In addition, the quality of the metal produced can be improved, since a part of the carbon present in chromium oxide will become oxidised, so that metal with a lower C and N content can be obtained. experiments were carried out in an open semi-industrial arc Card 1/2

39066

The technology of aluminothermic... E071/E135 S/148/62/000/005/003/009

furnace (90 kva, 60 v) with the objective of determining the optimum proportion of chromium oxide which should be preliminarily melted, the optimum addition of lime and particle size distribution of aluminium. Under experimental conditions the optimum proportions of pre-melted chromium oxide and lime were, respectively, 50 and 10% of the total weight of chromium oxide; the particle size distribution of aluminium has no substantial influence on the metal yield. In the electroaluminothermal process of smelting chromium the Al-consumption can be reduced by 13% and the Cr-yield increased to 91.5% (as against 87% in the usual smelting). There are 3 figures and 3 tables.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

SUBMITTED: February 21, 1961

Card 2/2

AUTHORS:

CIA-RDP86-00513R0005 APPROVED FOR RELEASE: Thursday, July 27, 2000

> 8/133/63/000/003/002/007 A054/A126

Ignatenko, G.F., Engineer, Pliner, Yu.L., Candidate of Technical

Sciences, Lappo, S.I., Konev, A.F., - Engineers

Silicothermic production of metallic chrome with partial melting of

the oxides in the charge TITLE:

PERIODICAL: Stal', no. 3, 1963, 226 - 227

At the Klyuchevskiy zavod ferrosplavov (Klyuchevsk Plant in Perroalloys) a new technology has been established to produce low-carbon metallic chrome in the electric furnace. Before feeding in the reducing agents, 60 - 65% of chrome oxides is melted in the furnace with lime added, then the balance ofoxides is fed in to the charge surface together with silicon crystals. The reduction process can take place with or without current. In the first case the silicon quantity added must ensure the formation of silicochrome containing at least 50% SI. The tests carried out with 30 kg chrome oxides yielded the following parameters: chrome-extraction: 84%; consumption of silicon crystals: 450 kg/t; power consumption: 2,600 kmh/t; silicon-utilization; 90%. The metal

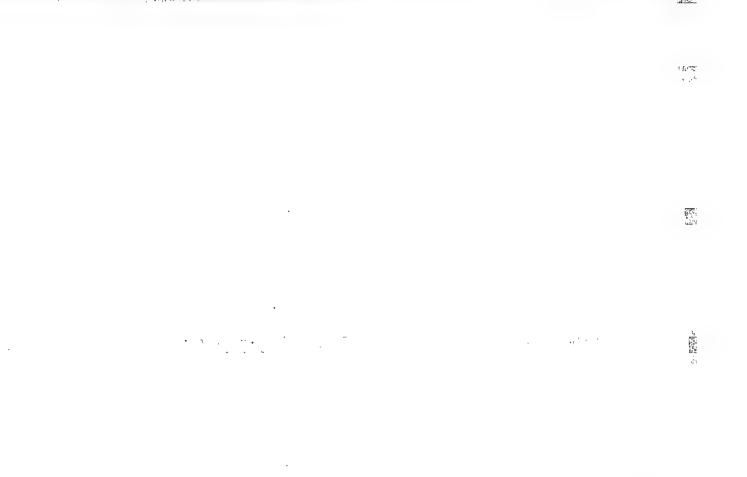
Card 1/2

Silicothermic production of metallic chrome ...

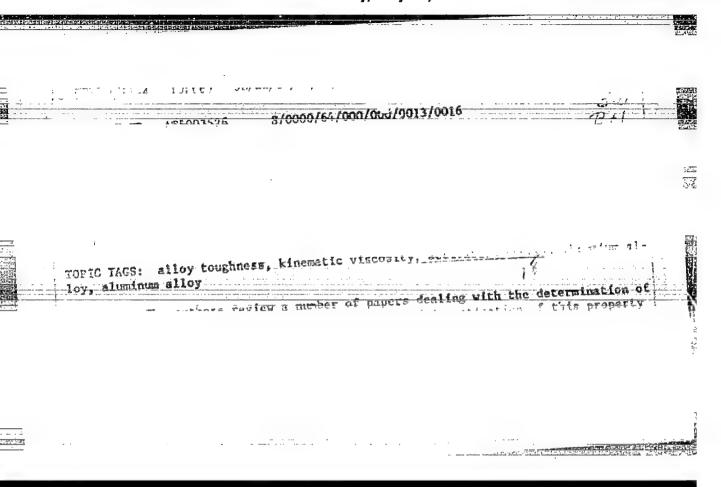
S/133/63/000/003/002/007 A054/A126

chrome obtained contains: 96.92 - 98.44% Cr, 0.36 - 1.18% Si, 0.86 - 1.16% Fe, 0.029 - 0.050% C, 0.005 - 0.025% S. The best results were obtained with a slag basicity of 2 and silicon crystals 0.7 - 1.0 mm in size. Although chrome-extraction in the new process is lower than in the aluminothermic process (88 - 89%) and current consumption is higher, the new technology means a saving because it requires smaller argumts of reducing agents. A calculation of the caloric requirements for the process is given. There are 2 figures.

Card 2/2

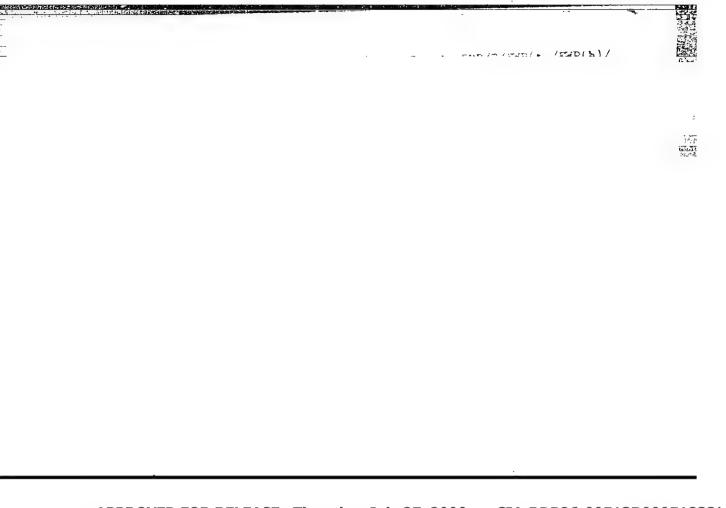


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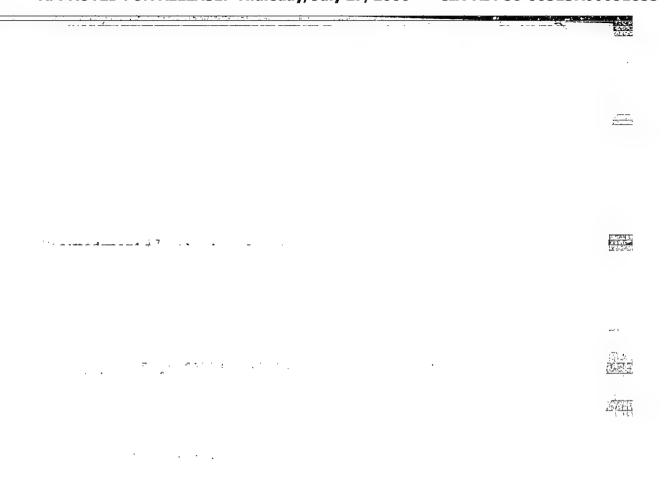


PLINER, Yuriy L'vovich; ICNATENEO, Gennadiy Fedorovich; LAPFO, Stanislav Ivanovich

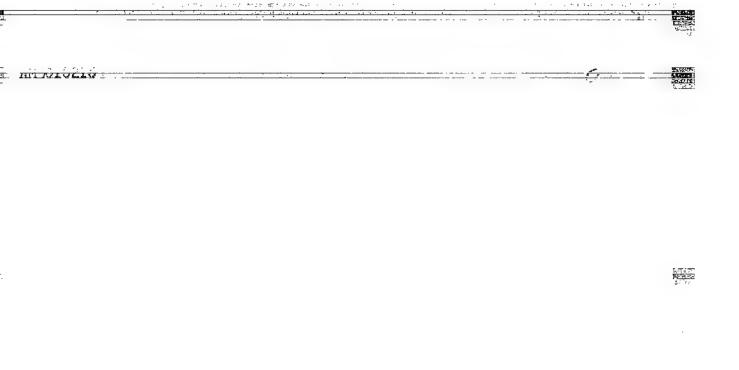
[Metallurgy of chromium] Metallurgiia khrcma, Moskva, Motallurgiia, 1965. 182 p. (MIRA 18:2)



277 27 28 27.5



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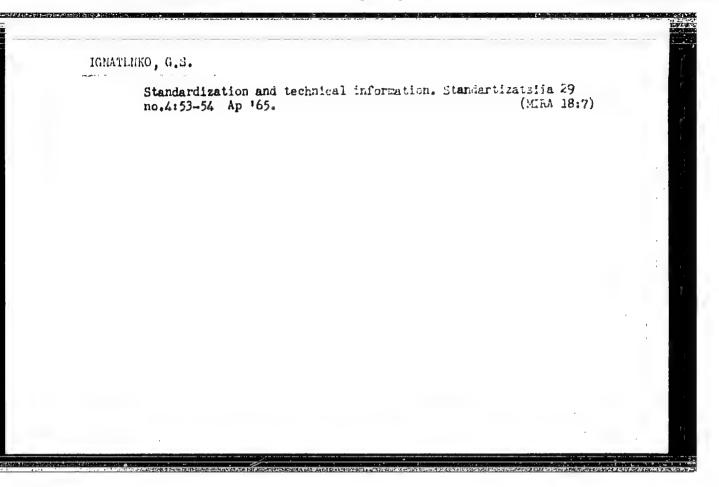


IGNATENKO, 6.3.

STISKIH, G.M.; IGNATHNKO, G.S.; IKOL, A.D.

Activities of efficiency promoters of the Artem's Hishne-Dneprovak Paper Making Equipment Plant. Proisv.-tekh.inform.no.5:23-51 '52. (MLRA 10:3)

(Machine-shop practice)



SOPOV, Grigoriy Khristoforovich; IGNATENKO, Georgiy Timofeyevich; KLEYNIAN, M.Ya., red.; IZHBOLDINA, S.I., tekhn. red.

[Analysis of the economic activities of the state farm] Analiz khoziaistvennoi deiatel!nosti sovkhoza. Stalingred, Stalingred-skoe knishnoe izd-vo, 1960. 52 p.

(State farms)

(State farms)

SOPOV. Grigoriy Khristoforovich; ICHATENKO, Georgiy Timofeyevich;
KLEYEMAE, M.Ya., red.; IZEBCEDIMA, S.I., bkhm.red.

[Analysis of the economic operation of a state farm] Analis khosiaistvennoi deistel nosti sovkhosa. Stalingrad, Stalingradskoe knishnoe isd-vo. 1960. 52 p.

(State farms--Accounting) (MIRA 14:1)

# They mechanized the unloading of earcorn from railroad cars. Muk.-elev. prom 29 no.3:24 Mr '63. (MIRA 16:9) 1. Starshiy ingh. Nikolayevskogo khleboproduktov.

I CHATENKO, I-1.

SUBJECT

USSR / PHYSICS

CARD 1 / 2

PA - 1649

AUTHOR TITLE

IVANOVA, N.S., IGNATENKO.I.I.

PERIODICAL

The Fission of Uranium Huclei by Protons of High Energy.

Zurn.eksp.i teor.fis,31, fasc.3, 416-423 (1956)

Issued: 12 / 1956

Thick-layered photo plates with an emulsion which is saturated with uranium were irradiated in the synchrocyclotron of the Institute for Nuclear Problems of the Academy of Science in the USSR by protons of 660, 450, 350 and 140 MeV. This stepped order of energies was attained by slowing-down the 660 MeV protons in paraffin and copper filters. The uranium was introduced into the photoemulsion by bathing in a 4% NaUO2(C2H3O2)3 solution. "Relativistic" as well as fine-grained emulsions with the sensitivity limit of 25-30 MeV (for protons) were used. Tests were carried out with these two emulsions for all energies of inciding protons ( (except 350 MeV), and for 350 MeV protons only with the fine-grained emulsion P-9.

The analysis of light charged particles produced on this occasion. The segregation of particles produced by the nuclear cascade process and the estimation of the number of evaporation particles was carried out by the analysis of the angular distribution and the energy distribution of the charged particles emitted on the occasion of fission. The average number of particles created per act of fission with E < 25 MeV is shown in a table. With increasing energy of the inciding particles the average number of charged particles per fission increases. The charged particles found in relativistic emulsions have

Zurn.eksp.i teor.fis,31, fasc.3, 416-423 (1956) CARD 2 / 2 PA - 1649

a marked directivity along the inciding proton. Such a directivity exists also for particles with E < 25 MeV. With increasing energy of the primary protons the directivity of the particles (E < 25 MeV) becomes less. These data prove the existence of a nuclear cascade process on the occasion of interaction between protons with energies of more than 140 MeV and uranium nuclei. The experimental and the computed average numbers of the knocked-out particles with E > 20 MeV agree within the limits of experimental errors at E = 460 MeV of inciding protons. At E = 660 MeV the experimental average value is somewhat higher than that computed by the MONTE CARLO method, which is apparently due to the production of mesons which was not taken into account in calculation.

The average excitation energy of the uranium nuclei which were fissioned as a result of interaction with fast protons can be estimated on the basis of the emission angles of the fragments. A diagram illustrates the distribution of individual fragments over individual ranges. The excited nuclei may also lose energy by the evaporation of nucleons (mainly neutrons).

INSTITUTION: Radium Institute of the Academy of Science in the USSR.

GNATHNKO, I.I.. Geroy Sovetskogo Soyuza, agronom

Basic cultivation practices for Asov region Chernosems in the Kuban.
Zemledelie 8 no.12:52-55 D '60. (MIRA 13:11)

1. Uchebno-opytnoye khosyaystvo Yeyskoy sel'skokhosyaystvennoy shkoly.

(Kuban-Chernosem soils)

KUDRYAVITSKIY, Isaak Borisovich; IGNATENKO, Illarion Mefodiyevich; PROKHOROV, Viktor Vasil'yevich; HEREZKIN, IU.I., red.; SOSINOVICH, A.I., tekhn. red.

[The struggle of workers in Gomel' Government for the reconstruction of the national economy in 1921-1925] Trudiashchiesia Gomel'skoi gubernii v bor'be za vosstanovlenie narodnogo khoziaistva, 1921-1925 gg. Pod red. I.Ignatenko. Minsk, Izd-voziaistva, 1921-1925 gg. Pod red. III.Ignatenko. Minsk, Izd-voziaistva, III.Ignatenko. Minsk, III.Ignatenko. Minsk, III.Ignatenko. Minsk, III.Igna

LAZARENKO, Ye.N., kand.tekhn.nauk; IGNATENKO, I.P., inzh.

Detection of methane in mines should be automatic. Bezop.truda
v prom. 5 no.6:1-2 Je '61.

1. Khar'kovskiy gornyy institut.
(Hine gases--Safety measures)

LAZARENKO, Ye.N., kand.tekhn.nauk; IGHATENKO, I.P., gornyy inzhener

Continuous automatic methane control in the return air flow of a section. Ugol' Ukr. 5 no.12:22-24 D '61. (MIRA 14:12)

1. Khar'kovskiy gornyy institut.
(Donets Basin-Mine gases)
(Automatic control)

LAZARENKO, Ye.N., kand. tekhn. nauk; MKLEKESTSEV, V.I., insh.; IGNATENKO, I.P., insh.

Use of stationary automatic methane gauges in mines of the Lvov-Volyn<sup>3</sup> Basin. Ugol<sup>4</sup>. prom. no.6:70-74 N-D <sup>1</sup>62. (MIRA 16:2)

1. Khar'kovskiy gornyy institut.
(Lvov-volyn' Basin-Mine gases-Messurement)

# IGNATENKO, I.V.

The Botanical Institute of the Academy of Sciences of the U.S.S.R. is 250 years old. Pochvovedenie no.9:93-95 S 165.

(MIRA 18:10)

IGNATENKO, I.V., Cand Agr Sci — (diss) "Soils of the first department of the educational experimental education of the Leningrad Agracultural Institute and their fertility."

Len, 1958, 23 pp (Min of Agr USSR. Len Agr Inst) 100 codies (kL, 27-58, 11h)

- 165 -

# IGNATENKO, I.V.

Soils of the arctic tundra in the Yugor Peninsula. Pochvovedenie no.5:26-40 My 163. (MIRA 16:5)

1. TSentral nyy muzey pochvowedeniya imeni V.V.Dokuchayeva. (Yugor Peninsula-Soils)

IGNATENKO, I.V.

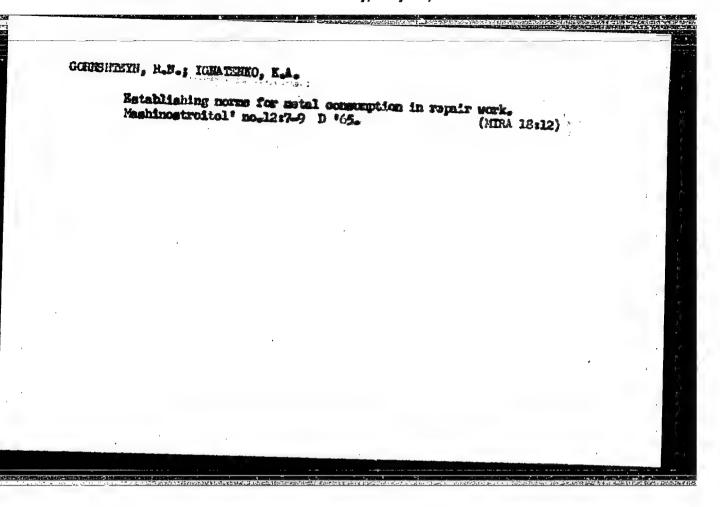
Characteristics of soil formation in various subzones of the eastern European tundras. Probl. Sev. no.8:200-212 '64.

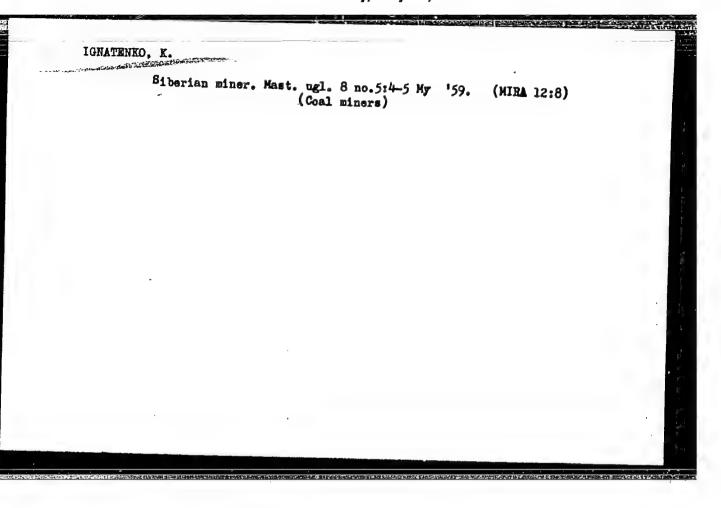
(MIRA 17:11)

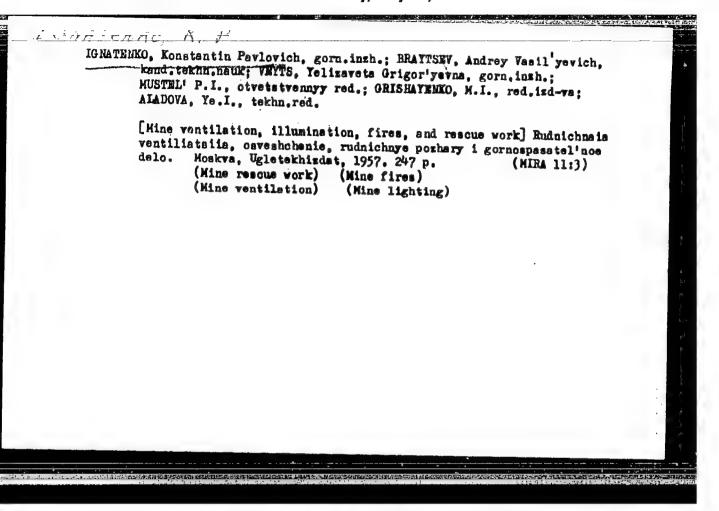
La TSentraliny, musey processor imeni Dokuchayeva, Leningrad.

DORGGONTAYSKAYA, Ye.V.; IGNATENKO, I.V.

Symposium on wooded tundras. Izv. Vses. geog. ob-va no.5:
445-448 S.O '64. (MIRA 17:12)





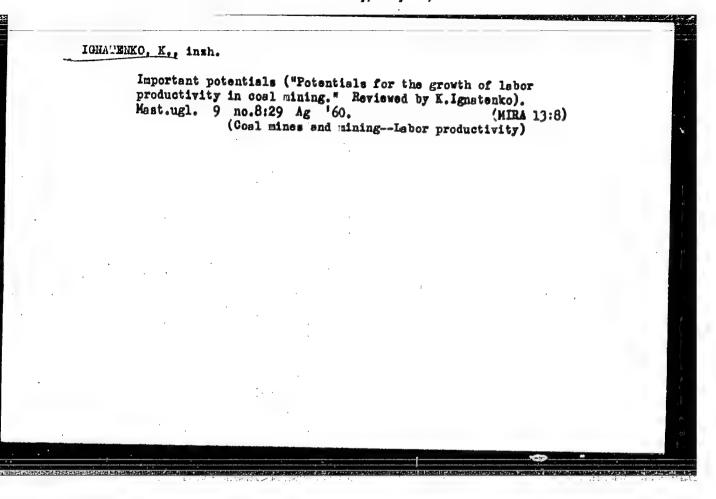


ROD'KIN, Iven Stepanovich; YAKUSHIN, M.P., kand.tekhn.nauk, retsensent; PARAMOSHIN, M.T., retsensent; DUGAHOV, G.V., kand.tekhn.nsuk, retsensent; YAROVOY, I.M., retsensent; IGHATENKO, K.P., otv.red.; ZVORYKINA, L.E., red.izd-va; BENESLAVSKAYA, L.Sh., tekhn.red.

[Ventilation in the course of mine building] Provetrivanie gornykh vyrabotok pri stroitelistve shakht. Moskva, Gos.nauchno-tekhn.isd-volit-ry po gornomu delu, 1960. 163 p. (MIRA 13:7)

1. Wachal'nik laboratorii ventilyatsii Ukrainskogo Wauchno-issledo-vatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroitel'stva (UkrWIIOMSHS) (for Yakushin). 2. Wachal'nik sektora tekhniki besopasnosti kombinata Stalinshakhtostroy (for Paramoshin).

(Mine vertilation) (Mining engineering)



IGNATERNO, Konstantin Pavlovich, gornyy inzh.; BRATTSEV, Andrey
Vasil'yevich, kand. tekhn. nauk; VEYTS, Yelizaveta
Grigor'yevna, gornyy inzh.; VORONINA, L.D., ctv. red.;
GIL'MAN, S.E., red.izd-va; IL'INSKAYA, G.M., tekhn.
red.

[Mine ventilation, lighting, fires, and rescue work] Rudnichnaia ventiliatsiia, osveshchenie, rudnichnya pozhary i
gornospasatel'nce delo. Izd.2. Moskva, Gosgortekhizdat,
1961. 266 p.

(Mine ventilation) (Mine lighting)

(Coal mines and mining—Safety measures)

IGNATENKO. L. S. Cand Chem Sci -- (diss) "New methods of the quantitative determination of carbon, hydrogen and nitrogen in organic methods by the means of vacuum." Ashkhabad, 1957. 8 pp (Acad Sci USSR. Inst of Organic Chemistry im N. D. Zelinskiy), 100 copies (KL, 4-58, 81)

-6-

PEDOSETTY, P.N.: IGHATEHEO, L.S.

Hew vacuum method for quantitative determination of carbon and hydrogen in organic substances. Isv.AN Turk.S.S.R. no.3:24-30 '57. (MIRA 10:10)

1. Institut khimii Akademii nauk Turkmenskoy SSR. (Carbon) (Hydrogen)

FEDOSEYEV, P.N.: IGNATERIO, L.S.

New method for quantitative determination of nitrogen in organic substances by decomposing them in a vacuum. Izv.AN Turk, SSR no.4:13-18 '57. (MIRA 10:10)

1. Institut khimii AN Turkmenskoy SSR. (Vacuum apparatus) (Organic matter—Analysis) (Nitrogen)

Vacuum method for quantitative determination of carbon and hydrogen in organic substances containing sulfur and halogens. Isv. AN Turk. SSR no.6r84-89 57. (NIRA 11:1)

1. Institut khimii AN Turkmenskoy SSR. (Chemistry, Analytical—Quantitative) (Vacuum apparatus) (Carbon) (Hydrogen)

'5(3) AUTHORS:

Fedoseyev, P. N., Ignatenko, L. S., Chernysheva, T. Ye.

TITLE:

On the Combustion Methods of Highly Volatile Substances in Quantitative Elementary Analysis (O sposobakh sozhzheniya legkoletuchikh veshchestv v kolichestvennom organicheskom elementarnom analize)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 5, pp 42-45 (USSR)

ABSTRACT:

The combustion of highly volatile and rapidly decomposable substances forms a complex problem. The authors criticize the individual methods suggested by various scientists (Refs 1- 12).

The two authors mentioned first devised methods of quantitatively determining carbon, hydrogen, and nitrogen using a vacuum (Refs 13-16) in organic substances. It does not need any expensive apparatus; the methods are simple, accessible, reliable and sufficiently accurate. Highly volatile substances can be burnt without noticeable losses. The weighed portion of a highly volatile liquid in a sealed glass ampoule is first put into a special copper shell (Fig 1). The two halves of the shell can easily be telescoped and have openings. The shell containing the ampoule is introduced into the combustion tube

Card 1/3

On the Combustion Methods of Highly Volatile Substances in Quantitative Elementary Analysis

and the ampoule is crushed by shoving together the two halves. Figure 2 shows the device used. After the analysis had been finished the shell together with the splinters of the ampoule is removed from the combustion tube. Table (p 44) shows the results of the analyses of benzene, isocotane, n-heptane, hexane, cyclohexane, and cyclohexanone according to the method recommended. A. P. Terent'yev suggested new devices (steel springs etc.) for crushing the ampoule (Fig 3). This method was tested at the laboratory of the authors, who found it to work well. There are 3 figures, 1 table, and 16 references, 8 of which are Soviet.

ASSOCIATION:

Institut khimii AN Turkm. SSR i Nikolayevskiy korablestroitelinyy institut, Kafedra khimii (Institute of Chemistry, AS Turkmenskaya SSR, and Nikolayev Ship-Building Institute, Chair of Chemistry)

Card 2/3

FEDOSEYEV, P.N.; IGHATENEO, L.S.

Microanalysis methods for the determination of carbon, hydrogen, and nitrogen in organic compounds with the aid of a vacuum. Isv.

AN Turk. SSR. no.1:45-52 '59. (MIRA 12:5)

1.Institut khimii AN Turkmenskoy SSR.

(Carbon—Analysis) (Hydrogen—Analysis)

(Eltrogen—Analysis)

On pyrelysis, rapid and slow decomposition of a substance, and on the role of catalysts in elementary organic quantitative analysis. Trudy Kom. anal. khim. 13:33-35 '63. (MIRA 16:5)

1. Nikolayevskiy korablestroitel'nyy institut institut. S.O. Makarova i Odesskiy inzhenero-stroitel'nyy institut. (Organic compounds) (Chemistry, Analytical—Quantitative)

Method of burning highly volatile organic liquids in the microdetermination of carbon and hydrogen in open capillaries by
means of chromium oxide. Izv. vys. ucheb. zav.; khim. i khim.
tekh. 7 no.58797-800 164 (MIRA 18:1)

l. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti i Nikolayevskiy korablestoitel nyy institut.

KRYACHKO, Z.; IGNATENKO, M., agronom-inspektor; MARKIN, A., kand. sel'-skokhoz. nauk; ZAYETS, V., entomolog-toksikolog; VAGANOV, V.

Pay attention to the hemp leaf roller Grapholitha delineana! Zashch. rast. ot vred. i bol. 10 no.5:51-54 '65.

1. Nachal'nik Ukrainskoy karantinnoy inspektsii (for Kryachko).
2. Sumskaya karantinnaya inspektsiya (for Ignatenko).
3. TSentral'naya karantinnaya laboratoriya Ministerstva sel'skogo khozyayatva
SSSR (for Markin. Zayets).
4. Starshiy agronom-entomolog Upravleniya
khleboproduktov (for Vaganov).

SOV/65-59-4-14/14

AUTHORS: Golov, G.S., Ignatenko, M.A. and Titova, A.A.

TITLE: The Lay-Out of Gas Fractionating Plants in Petroleum

Refineries (O skhemakh gazofraktsioniruyushchikh ustanovok na neftepererabatyvayushchikh zavodakh)

PERIODICAL: Khimiya i tekhnologiya topliv 1 masel, 1959, Nr 4,

pp 69-72 (USSR)

ABSTRACT: The authors refer to two articles by P.A. Smirnov which

were published in Khimiya i tekhnologiya topliv i masel, 1958, Nr 2, p 7 and 1959, Nr 1, p 9. They suggest further modifications (Fig 1 and 2) and recommend that a fractionating absorber-de-ethaniser

unit should be included in the design of gas fractionating

plants which are used for the processing of gas and unstable gasoline obtained by catalytic cracking. Power

consumption is considerably reduced. The degree of separation of the propane-propylene fraction can be increased when unstable gasoline and a calculated quantity of stable gasoline are used as absorbing

agents. Two tables give comparative data on the yield

Card 1/2

SOV/65-59-4-14/14

The Lay-Out of Gas Fractionating Plants in Petroleum Refineries of industrial products (in per cent mol). There are 2 figures and 2 tables.

Card 2/2

USCOMM\_DC-61,022

POTEMKIN, S.V., glav. red.; MATSUYEV, L.P., zam. glav. red.;
EEREZIN, V.P., red.; VESELOV, V.V., red.; GOLANDSKII,
D.B., red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.;
SHASHURA, M.V., red.; RIVKIN, G.M., red.; FIRSOV, L.V.,
red.; SHAKHNAROVICH, L.A., red.; SHEPELEV, I.T., red.;
SHAROVA, L.A., red.

[Reports for 1961] Sbornik referatov sa 1961 god. Magadan,
1962. 135 p. (Its: Trudy VNII-1) (MIRA 16:7)

1. Magadan. Vsesoyusnyy nauchno-issledovatel'skiy institut
zolota i redkikh metallov.

(Frozen ground) (Mining engineering) (Metallurgy)

(Building materials)

ANDRIANOV, Aleksandr Alekseyevich; POTEMKIN, S.V., glavnyy red.;

MATSUYEV, L.P., zamestitel' glavnogo red.; SHAKHNAROVICH, L.A.,
red.; BEREZIN, V.P., red.; VESELOV, V.V., red.; GOLANDSKIY, D.B.,
red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.; SHASHURA, M.V.,
red.; RIVKIN, G.M., red.; FIRSOV, L.V., red.; SHEPELEV, I.T.

[Msthods of analytic decomposition of cassiterite and tin ores]
Metody analiticheskogo razlozheniia kassiterita i rud olova.
Magadan, 1962. 14 p. (Magadan. Vsesoiuznyi nauchno-issledovatel'skii institut zolota i redkikh metallov. Trudy Obogashchenie
i metallurgiia, no.53). (MIRA 16:7)
(Cassiterite—Analysis) (Tin ores—Analysis)

RED'KIN, V.K.; POTEMKIN, S.V., glavnyy red.; MATSUYEV, L.P., zamestitel' glavnogo red.; SHAKHNAROVICH, L.A., red.; HEREZIN, V.P., red.; VESELOV, V.V., red.; GOLANDSKIY, D.B., red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.; SHASHURA, M.V., red.; RIVKIN, G.M., red.; FIRSOV, L.V., red.; SHEPELEV, I.T., red.

[Grounding and protective cutting-off in underground workings of permafrost placer deposits.] Zasemleniia i zashchitnye otkliucheniia pri podzemnoi razrabotke mnogoletnemerzlykh rossypei. Magadan, Vses. nauchno-issl. in-t zolota i redkikh metallov, 1962. 26 p. (Magadan, Vsesoiuznyi nauchno-issledo-vateliskii institut zolota i redkikh metallov. Trudy, Gornoe delo, no.40)

(Kolyma Valley-Electric protection)
(Kolyma Valley-Placer deposits)

IGNATENKO, M.A.; POPOV, N.I.

Decreased diameter boring bits for drilling holes with the use of exhaust dust removal. Gor.zhur. no.1:71 Ja 165.

(MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel akiy institut - 1, g. Magadan.

### IGNATENKO, N.; DUDNIK, V.

Tables for calculating the ash content of the absolutely dry substances of grain products. Muk.-elev.prom. 26 no.7:16-17 J1 160. (HIRA 13:8)

1. Nachal'nik TKhK Vasil'kovskoy mel'nitsy No 10 (for Ignatenko)
2. Nachal'nik Kiyevskogo oblastnogo upravleniya Goskhlebinspektsii
(for Dudnik).

(Grain--Analysis)

KRECHETOVA, I. (Kurgan); IGHATEMKO, N. (Belgored); LISGOTIN, V.; ZEVAKHIN, A., inzh. pe tekhnike bezopasnosti

Editor's mail. Okhr. truda i sots. strakh. 6 no.3:22 Mr 163. (MIRA 16:4)

1. Dereveebrabatyvayushchiy savod tresta "Streydetal"-70" (for Zevakhin).

(Industrial hygiene)

### IGNATENKO, N.

Why local raw materials are not used. NEO 2 no.7:57 J1 160. (NIBA 13:7)

1. Predsedatel' oblastnogo pravleniya Mauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti, Belgorod.

(Belgorod Province-Chalk) (
(Belgorod Province-Sugar manufacture)

IGNATENKO, N.; KARPOVA, O., inzh.; PRAVCA, E.

Letters to the editor. NTO 3 no.4:51 Ap 161. (MIRA 14:3)

1. Predsedatel' Belgorodskogo oblastnogo prevleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promychlennosti (for Ignatenko).
2. Chlen soveta Nauchno-tekhnicheskogo obshchestva shelkotkatskoy
fabriki, g. Kalinin (for Karpova). 3. Predsedatel' pervichnoy
organizatsii Nauchno-tekhnicheskogo obshchestva kombinata molochnykh
produktov, G. Pyarmu, Estonskoy SSR (for Pravon).

(Technological innovations)

### IGNATENKO, N.

Machinery for sugar-best growers. NTO 3 no.9:36 S '61.

(MIRA 14:8)

1. Predsedatel' Belgorodskogo oblastnogo pravleniya
Nauchno-teknicheskogo obshchestva pushchevoy promyshlennosti,

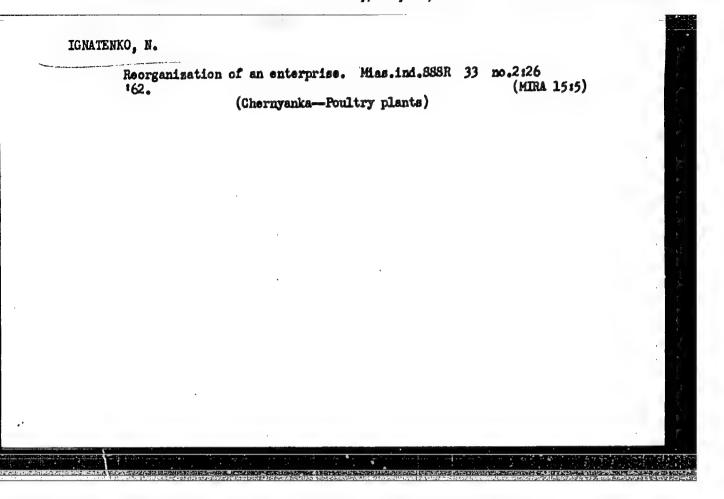
g. Be gorod.
(Sugar beets) (Agricultural machinery)

VINOGRADOV, A.; GAPONOV, V.; VOLOSHIN, A., inzh.; FUSHKIN, D., instruktor; IGNATENKO, N.; IVANOV, A.; MALANCHENKO, I.; BUBLEY, Ye.; SHABAD, M.

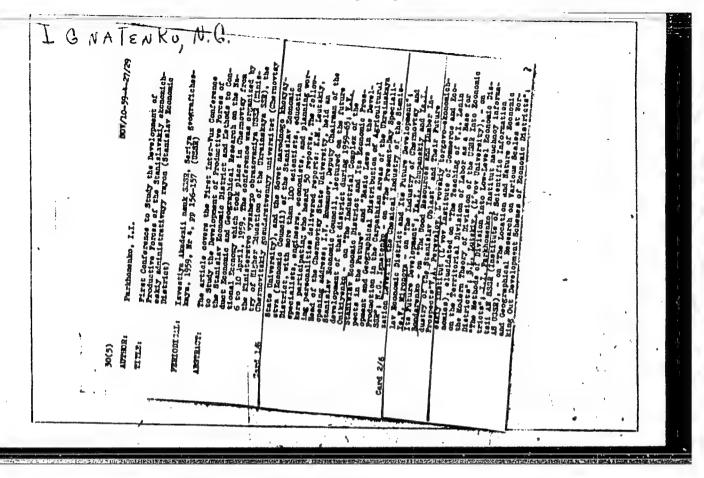
Readers' letters. NTO 3 no.8:54-55 Ag '61. (MIRA 14:9)

1. Chlen byuro avtodorozhnoy sektsii Leningradskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva gorodskogo khozyaystva i avtotransporta (for Gaponov). 2. TSentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva (for Pushkin). 3. Predsedatel' Belgorodskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti (for Ignatenko). 4. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva "Lenenergo" (for Shabad).

(Technological innovations)



1	Reorganized Novy Oakol Meat Combine. Miss.ind. SSSR 33 [1.e.34] no.2:57 (MIRA 16:4)	
	l. Belgorodskoye oblastnoy pravleniye nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti.	k
	(New Oskol-Mest industry)	
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TORMAROV, A.T.; IMMATENKO, N.G.; BONDARENKO, YB.I.; DAGAYEYA, T.K.; RYBIN, N.N.; KOZHURIMA, M.S., KUNITSA, A.M., ZWUFANSKII, TH.I., BUTKOVSKIY, V.A. In rentry of Beris Hikolaevich Viernevskii, 1897-1965. Izv. Vees. geog. ob-va 97 nc.4:390-391 Jl-Ag 165. (MIRA 18:8)

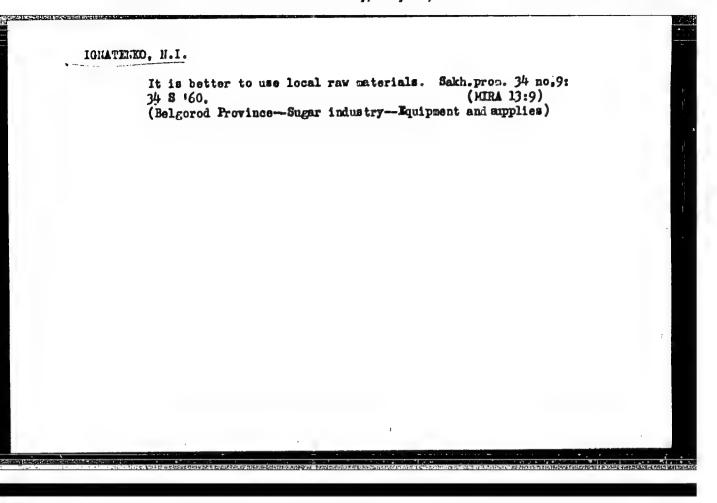
# Conference on the mechanization and automatization of production. Sakh.prom. 34 no.3:69 Mr 199.1960. (MIRA 13:6) (Belgorod Province—Sugar industry—Equipment and supplies) (Automatic control)

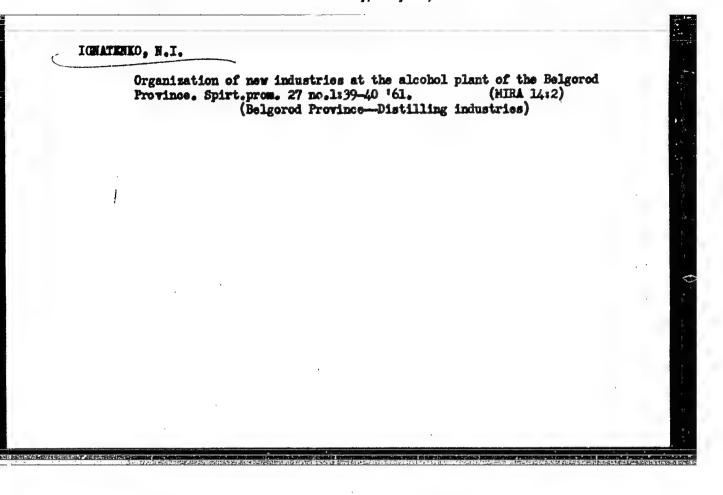
# IGNATENKO, H.I.

For the complete mechanization of the cultivation of sugar-beet seeds. Sakh.prom 34 no.7:60-61 J1 '60. (MIRA 13:7)

1. Belgorodskoya oblastnoye otdeleniye Bauchno-tekhnicheskogo obshchestsa pishchevoy promyshlennosti.

(Belgorod Province-Sugar beets)





Full villigation of fact. recordes. Hall-whire ron, 77 no. 2:31 '61. (F. 14:2)

1. 3.\_\_orotakeys old who provinings the smootakent daskeys of shell-styre parameters. (She shine—Cil incluties)

Output of a new product. Masl.-zhir. prom. 27 no.9:37 S '61.

(MIRA 14:11)

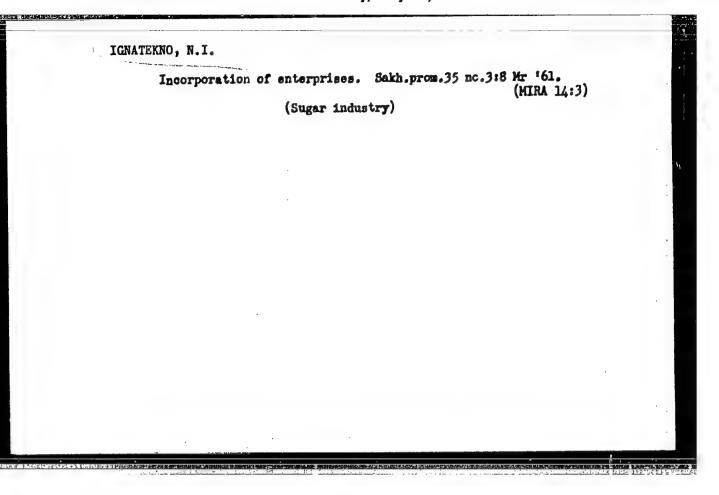
1. Belgorodskoye oblastnoye pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti.

(Shebekino--Cleaning compounds)

### ICHATENKO, N.I.

Modern equipment for sugar factories. Sakh. prom. 35 no.2:41 F '61. (MIRA 14:3)

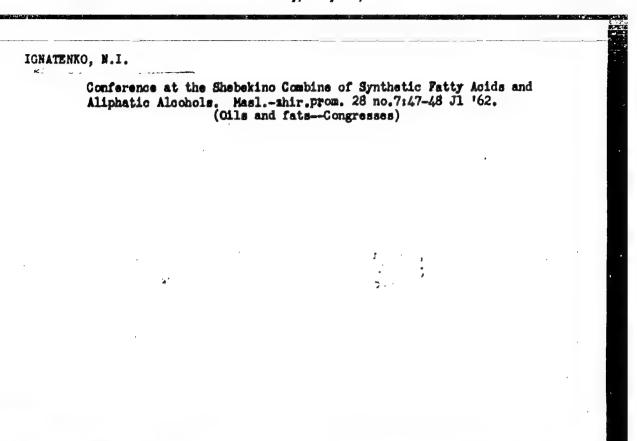
1. Belgorodskoye oblastnoye nauchno-teknicheskoye obshchestvo pishchevoy promyshlemosti.
(Bugar machinery)



## New factory. Kons, i ov.prom. 17 no.4:38 Ap '62. (MIRA 15:3) 1. Tekhmicheskiy inspektor Belgorodskogo oblsovprofa. (Novyy oskol--Canning industry)

Rake Balanasa Marahan aktor

er of a EPREZENT shirts.



### At the Volokonovka gramulated sugar refinery. Sakh.prom. 36 no.5:56-57 My '62. (MIRA 15:5) 1. Pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti Belgorodskoy oblasti. (Volokonovka (Belgorod District)—Sugar industry)

### IGNATENKO, N.I.

Introducing new equipment. Kons. i ov.prom. 18 no.3:15 Mr '63.

(MIRA 16:3)

1. Belgorodskoye oblastnoye upravleniye Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlenndsti.

(Belgorod-Canning industry-Equipment and supplies)

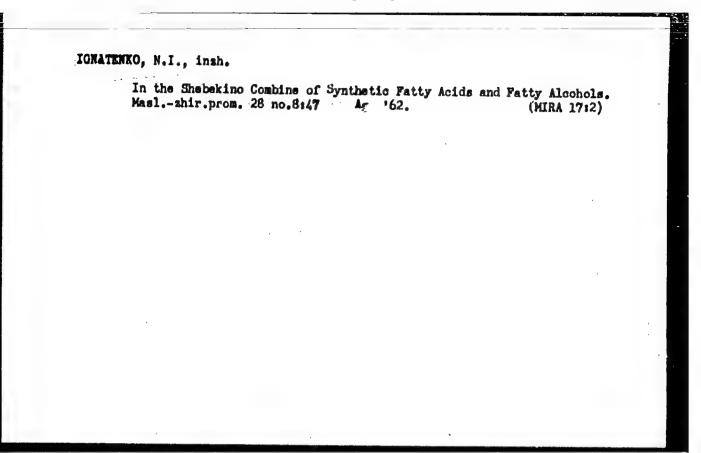
### IGNATENKO, N. I.

Manufacture of baker's yeasts and edible carbon dioxide in the Veselaya Lopan' Distillery. Spirt. prom. 29 no.3:47 163.

(MIRA 16:4)

1. Belgorodskoye oblastnoye pravleniye Mauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti.

(Veselaya Lopan!-Distilling industries-By-products)



### IGNATENKO, N.I.

Information. Sakh. prom. 36 no.7:65-66 Jl 162.

(MIRA 17:1)

1. Belgorodskoye oblastnoye upravleniye Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti.

At the Shebekine Combine of Synthetic Fatty Acids and Fatty
Alcohols. Masl.-zhir. prom. 29 no.5144 My 163.

(MIRA 16:7,

(Shebekine-Chemical industries)

DENCHINSKIY, N.A., IGNATENKO, N.I. Alekseevka Sugar Factory. Sakh. prom. 37 no.4:14-17 Ap 163. (MIRA 16:7) (Alekseevka-Sugar factories)

BYKADOROV, G.I.; IGNATURED. M.N.; FILIPPOVSKIY, P.M.

Hadiant heat chambers for drying painted products. Trakt. 1
sel'khozmach. 8:41-42 Ag '58. (MIRA 11:8)

1.Valdimirskiy traktornyy saved im. A.A. Zhdanova.

(Clutches (Machinery))

IVANOV, V.A.; SOLODENKO, G.P.; GISSIN, I.N.; ICHATENKO, N.N.; ZHEREDKOV, I.V., red.; MARINTUK, N.V., tekhn.red.

[Over-all mechanisation and automation at the Rostov Agricultural Machinery Plant] Kompleksnaia mekhanisatsiia i avtomatisatsiia na zavode Rostsel'mash. Rostov-na-Donu. Rostovskoe knishnoe isd-vo. (MIRA 13:10)

(Rostov-on-Don-Agricultural machinery industry)

(Automation)

### IGNATENKO, N. N.

Mechanization and automation of painting operations.

Vashinostroitel no.2:14-17 F \*60. (MIRA 13:5)

l. Hachal'nik otdela mekhanisatsii, avtomatisatsii i stankomtroyeniya savoda "Rostsel'mash." (Painting, Industrial-Technological innovations)

### PHASE I BOOK EXPLOITATION

80V/4552

Ivanov, V. A., G. P. Solodenko, I. M. Gissin, and N. H. Ignatenko

Kompleksnaya mekhanizatsiya i avtomatizatsiya na zavode Rostsel'mash (Full Mechanization and Automation at the Rostsel'mash (Rostov-na-Donu Agricultural Machinery) Plant). [Rostov-na-Donu] Rostovskoye knizhnoye izd-vo, 1959. 185 p. Errata slip inserted. 2,000 copies printed.

Ed.: I. V. Zherebkov; Tech. Ed.: N. V. Marinyuk.

\*\*URPOSE: This book is intended for technical personnel in plants and design institutes, innovators in production and students of engineering schools of higher education.

COVERACE: The authors present the results of experience gained from the mechanization and automation of the Rostsel'mash Plant. Problems of line production are discussed and ways for solving these problems are considered. The authors describe lines and installations adopted in assembly and press-forging shops. Special attention is paid to the mechanization of organic coating. The final section of the book deals with the full mechanization of foundry processes and

Card 1/2

September 1997	
Full Mechanization and Automation (Cont.) 80V/4552	
is based on the experience of the same plant. The authors that L. L. Antonov, A. I. Koryagin, V. A. Shadchinev, G. V. Mashensi Malokhovskiy who assisted in selecting material for the book. references, all Soviet.	CLY SEEL V. A.
TABLE OF CONTENTS:	
Full Mechanization and Automation of Manufacture	5
Mechanization and Automation in Assembly Shops	12
line production - the basis of mechanisation and automation	12
Types and construction of conveyers	16
Michanization of assembling	he
Mechanisation of welding	47 57
Mechanisation of organic coating	63
Coating installations Drying of coated products	30 45 57 63 92
Mechanization and Automation in Press-Forging Shops and Manufactu	re
of Metallic Products	107
Mechanization and Automation in Poundriés	128
AVAIIABLE: Library of Congress VK/wro	/fal
Card 2/2 11-28-	60

IGNATENKO, N.N.
INGATENKO, N. H.

Neurosurg. Clin., med. Inst., Rostoff-Donn. The Roskin - Mastjukova biological test in cancer metastasses and primary tumours of the central nervous system Vop. Mejrokhir.

This test is based on the susceptibility of parametia to the cytotoxic constituents occurring in the blood serum of patients with cancer; whom the serum is diluted in a proportion of 1:29, the growth of the parametia is arrested or they die. When this test was portion of 1:29, the growth of the parametia is arrested or they die. When this test was portion of 1:29, the growth of the parametia is arrested or they die. When this test was portion of 1:29, the growth of the parametia is arrested or they die. When this test was legative out in 85 patients with cerebral disease and 3 normal subjects both with the blood carried out in 85 patients with cerebral disease of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differenceswere encountered. In cases of immature glioma, glioblasserum and the GSF, no differe

So: Excerpta Medica, Section VIII, Vol. 5, No. 9, September 1952

### IGNATENKO, N.N.

Roskin-Nastiukova's biological reaction in cancerous metastases and primary neoplasms of the central nervous system. Vopr.neirokhir. 15 no.2:48-49 Mar-Apr 1951. (CIML 20:9)

1. Departmental Physician. 2. Of the Clinic for Nervous Diseases and Neurosurgery (Director-Honored Worker in Science Prof. P.O. Emdin), Rostov Medical Institute.

'VANOV, V.A.; IGNATENKO, N.N.; DOBRYAKOV, V.I., inzh., retsenzent; KOL'DERTSOV, M.S., inzh., red.; SALYANSKIY, A.A., red. izd-va; EL'KIND, V.D., tekhn. red.

[Introduction and economic efficiency of new equipment; practice of industrial plants] Vnedrenie novoi tekhniki i ee ekonomicheskaia effektivnost; iz opyta zavodov. Moskva, Mashgiz, 1963. 177 p. (MIRA 17:2)

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# IGNATENIO, M.S. Removal of sugar-best pulp by a belt conveyer. Sakh.prom. 34 no.3:47-48 Mr 19./960 (MIRA 13:6) 1. Onidavskiy sakharnyy savod. (Onidava—Sugar industry—Equipment and supplies)

Improving the mechanization of unloading. Sakh.prom.
34 no.8137 Ag '60. (MIRA 13:8)

1. Gnidavakiy sakharmyy savod.
(Gnidava—Sugar beets) (Loading and unloading)

ROYALEV, D.F., inzh.; IGNATENKO, O.G., inzh.

Roof control in inclined seams by complete caving with the use of "OKU" supports. Ugol' Ukr. 7 no.11:42-43 N '63. (MIRA 17:4)

1. Trest Leninugol'.

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BARMASHENKO, I.B., kand.tekhn.nauk; IGNATENKO, O.Kh. [Ihnatenko, O.Kh.], kand.tekhn.nauk; VRZHOSEK, G.G. [Vrzhosek, H.H.], kand.tekhn.nauk; LAZEBNIK, V.V.

Oxidation of aluminum spray coating on porcelain and its imitation gold finishing. Leh.prom. no.3:34-40 Je - Ag '62. (MIRA 16:2)

1. Kiyevskiy politekhnidheskiy institut (for Barmashenko, Ignatenko, Vrzhosek). 2. Ukrainskiy nauchno-issledovatel'skiy institut stekol'noy i farforo-fayansovoy promyshlennosti (for Lazebnik). (Aluminum) (Oxidation) (China painting)